

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Original) A method of diagnosing cancer in a patient which method comprises assaying a sample from said patient for the presence of extracellular cAMP-dependent protein kinase (ECPKA), wherein the presence of an elevated level of ECPKA in said sample compared to the level of ECPKA in a control sample is indicative of cancer in said patient.
2. (Original) The method of claim 1, wherein said sample is blood serum.
3. (Currently Amended) The method of claim 2, wherein the activity level of ECPKA in said control sample is from about 0 to about 1.0 mUnits/ml blood serum.
4. (Original) The method of claim 2, wherein said cancer is breast cancer, prostate cancer, ovarian cancer, colon cancer, pancreatic cancer, lung cancer, or bladder cancer.
5. (Original) The method of claim 1, wherein said sample is urine.
6. (Currently Amended) The method of claim 4, wherein the activity level of ECPKA in said control sample is from about 0 to about 1.0 units/ml urine.
7. (Original) The method of claim 1, wherein said assaying involves the use of ELISA.
8. (Original) The method of claim 7, wherein said ELISA involves the use of an antibody to the catalytic subunit of ECPKA.
- 9.-20. (Cancelled)